



FACILITY COMPLIANCE INSPECTION REPORT

Division of Waste Management Solid Waste Section

UNIT TYPE:											
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS	COUNTY: CATAWBA PERMIT NO.: 18-09 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Inciner		T&P		FIRM	
CDLF		Tire T&P / Collection		Tire Monofill		Industrial Landfill	X	DEMO		SDTF	

Date of Site Inspection: June 19, 2012

Date of Last Inspection: April 23, 2012 & May 2, 2012

FACILITY NAME AND ADDRESS:

Duke Energy Carolinas, LLC - Marshall Steam Station
 Industrial Landfill
 8320 East NC Highway 150
 Terrell, North Carolina 28682

GPS COORDINATES: N: 35.60463 W: -80.9774

FACILITY CONTACT NAME AND PHONE NUMBER:

Donna Burrell, Environmental Coordinator
 Duke Energy Carolinas, LLC
 (828) 478-7820
 donna.burrell@duke-energy.com

FACILITY CONTACT ADDRESS:

Registered Agent: CT Corporation System
 150 Fayetteville Street, Box 1011
 Raleigh, NC 27601

Principal Office: Duke Energy Carolinas, LLC
 526 South Church Street
 Charlotte, NC 28202-1904

PARTICIPANTS:

Donna Burrell, Duke Energy Carolinas, LLC – Environmental Coordinator
 Tim Hunsucker, Duke Energy Carolinas, LLC – Senior Scientist
 Chuck Campbell, Duke Energy Carolinas, LLC – Science Technician
 Elizabeth Werner, Permitting Hydrogeologist - NCDENR Solid Waste Section
 Deb Aja, NCDENR Solid Waste Section

STATUS OF PERMIT: Active.

INDUSTRIAL WASTE LANDFILL FACILITY: PERMIT NO. 18-09	ISSUANCE DATE
Original Permit to Construct	April 12, 2006
Modification PTC: HDPE Liner and Cap System	May 22, 2006
Permit to Operate: Phase 1, Cell 1	November 21, 2006
Issuance of the Permit to Operate Phase 1 Cell1, Amendment, Five (5) Year Renewal. May 2012.	May 18, 2012

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PURPOSE OF SITE VISIT:

Partial Inspection: Environmental Monitoring.

STATUS OF PAST NOTED VIOLATIONS:

None.

OBSERVED VIOLATIONS

None.

The item(s) listed above were observed by Section staff and require action on behalf of the facility in order to come into or maintain compliance with the Statutes, Rules, and/or other regulatory requirements applicable to this facility. Be advised that pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Laws, Regulations, Conditions of a Permit, or Order under Article 9 of Chapter 130A of the N.C. General Statutes. Further, the facility and/or all responsible parties may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

ADDITIONAL COMMENTS

1. An on-site review was conducted to observe the location and condition of environmental monitoring points associated with Solid Waste Permit Number 18-09 for the Industrial Landfill.
2. The facility is permitted to receive the following waste types: Marshall-generated gypsum, Marshall-generated clarifier sludge, Marshall-generated fly ash, Marshall-generated bottom ash, Marshall-generated construction and demolition (C&D) debris, Duke Energy Carolinas-generated asbestos, Allen Steam Station (Allen)-generated gypsum, Allen-generated clarifier sludge, Cliffside Steam Station (CSS)-generated gypsum, CSS-generated clarifier sludge, and Marshall Mill Rejects (pyrites).
3. The following monitoring points were observed with conditions noted:

Well No.	Access	Security	Well Casing, Protective Casing, & Cap	Concrete Pad	Well Tags	Comment
MW8	Access cleared to and around well.	Well found locked with lock good condition.	Maintained in good condition.	Maintained in good condition.	Legible and in good condition.	Fire ants present around concrete pad.
MW9	Access cleared to and around well.	Well found locked with lock good condition.	Maintained in good condition.	Maintained in good condition.	Legible and in good condition.	Hole present within 2 feet of edge of concrete pad.
MW10	Access cleared to and around well.	Well found locked with lock good condition.	Maintained in good condition.	Maintained in good condition.	Legible and in good condition.	
MW11	Access cleared to and around well.	Well found locked with lock good condition.	Maintained in good condition.	Maintained in good condition.	Legible and in good condition.	Fire ants found inside protective casing.
MW12	Access cleared to and around well.	Well found locked with lock good condition.	Maintained in good condition.	Maintained in good condition.	Legible and in good condition.	Formerly observation well 3.
MW13	Access cleared to and around well.	Well found locked with lock good condition.	Maintained in good condition.	Maintained in good condition.	Legible and in good condition.	Formerly MS6.
MW14	Access cleared to and around well.	Well found locked with lock good condition.	Maintained in good condition.	Maintained in good condition.	Legible and in good condition.	
MW15	Access cleared to and around well.	Well found locked with lock good condition.	Maintained in good condition.	Maintained in good condition.	Legible and in good condition.	
MW16	Access cleared to and around well.	Well found locked with lock good condition.	Maintained in good condition.	Maintained in good condition.	Legible and in good condition.	
SW1	Access cleared to monitoring location.	NA	NA	NA	NA	

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4. A readily accessible unobstructed path was cleared and maintained so that four-wheel vehicles may access monitoring well locations.
5. All monitoring wells appeared to be maintained in compliance with the requirements of Permit 18-09.
6. A small hole, estimated as measuring less than 1 foot in diameter and less than 1 foot deep, was observed in the ground within 2 feet of the concrete pad at MW9. It was stated that the hole that would be filled to the surrounding surface grade. No water was observed in the hole.
7. On March 13, 2012, two leachate cleanout locations were monitored for the presence of hydrogen sulfide gas and it was reported that the gas was not detected. Landfill gas will be monitored when the final cover is installed.

Please contact me if you have any questions or concerns regarding this inspection report.



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Sent on June 25, 2012, to:	X	Email		Hand delivery		US Mail		Certified No.
Donna Burrell, Duke Energy Carolinas, LLC								
by;								

Ec: Jason Watkins, Western District Supervisor
Jessica Montie, Compliance Officer
Elizabeth Werner, Permitting Hydrogeologist
Larry Frost, Regional Permitting Engineer